

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Kisling - 9190 Liquid

Revision date: 02.08.2024

Product code: 9190F

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Kisling - 9190 Liquid

UFI: C0FT-J0XF-P00D-WF5V

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/mixture

Maintainer, irritant, containing solvents with skin absorptive substances

#### Uses advised against

No information available.

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer

|                 |                             |                              |
|-----------------|-----------------------------|------------------------------|
| Company name:   | Kisling AG                  |                              |
| Street:         | Motorenstrasse 102          |                              |
| Place:          | CH-8620 Wetzikon            |                              |
| Telephone:      | +41 58 272 0 272            |                              |
| E-mail:         | customerservice@kisling.com |                              |
| Contact person: | Product Compliance          | Telephone: +49 7940 5096 143 |
| E-mail:         | compliance@kisling.com      |                              |
| Internet:       | www.kisling.com             |                              |

#### Supplier

|                 |                             |                              |
|-----------------|-----------------------------|------------------------------|
| Company name:   | Kisling (Deutschland) GmbH  |                              |
| Street:         | Salzstraße 15               |                              |
| Place:          | D-74676 Niedernhall         |                              |
| Telephone:      | +49 7940 50961 61           |                              |
| E-mail:         | customerservice@kisling.com |                              |
| Contact person: | Product Compliance          | Telephone: +49 7940 5096 143 |
| E-mail:         | compliance@kisling.com      |                              |
| Internet:       | www.kisling.com             |                              |

**1.4. Emergency telephone number:** 24 hr. emergency phone number +1 872 5888271 (KAR)  
Medicines & Poisons Info Office +356 2545 6508

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Flam. Liq. 2; H225  
Asp. Tox. 1; H304  
Skin Irrit. 2; H315  
Eye Irrit. 2; H319  
STOT SE 3; H336  
Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### Regulation (EC) No 1272/2008

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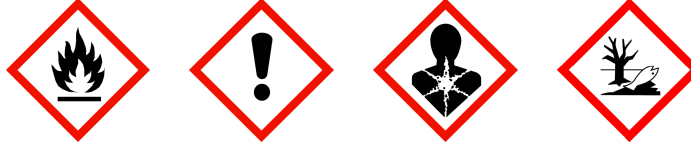
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#### Hazard components for labelling

propan-2-ol; isopropyl alcohol; isopropanol  
Hydrocarbons C7 - n-alkanes - isoalkanes - cyclics  
Hydrocarbons C6 - isoalkanes <5% n-hexane  
acetone; propan-2-one; propanone

**Signal word:** Danger

**Pictograms:**



#### Hazard statements

H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P210 Keep away from heat. No Smoking.  
P273 Avoid release to the environment.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P331 Do NOT induce vomiting.  
P403+P235 Store in a well-ventilated place. Keep cool.

#### Labelling of packages where the contents do not exceed 125 ml

**Signal word:** Danger

**Pictograms:**



#### Hazard statements

H304

#### Precautionary statements

P301+P310-P331

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Mixture of substances listed below with nonhazardous components.

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#### Relevant ingredients

| CAS No     | Chemical name   |              |                  | Quantity    |
|------------|---|--------------|------------------|-------------|
|            | EC No   | Index No     | REACH No         |             |
|            | Classification (Regulation (EC) No 1272/2008)   |              |                  |             |
| 67-63-0    | propan-2-ol; isopropyl alcohol; isopropanol   |              |                  | 30 - < 50 % |
|            | 200-661-7   | 603-117-00-0 | 01-2119457558-25 |             |
|            | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336   |              |                  |             |
| 64742-49-0 | Hydrocarbons C7 - n-alkanes - isoalkanes - cyclics  |              |                  | 15 - < 30 % |
|            | 927-510-4   |              |                  |             |
|            | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411                                |              |                  |             |
|            | Hydrocarbons C6 - isoalkanes <5% n-hexane   |              |                  | 15 - < 30 % |
|            | 931-254-9   |              | 01-2119484651-34 |             |
|            | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411                                |              |                  |             |
| 67-64-1    | acetone; propan-2-one; propanone  |              |                  | 15 - < 30 % |
|            | 200-662-2   | 606-001-00-8 |                  |             |
|            | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066  |              |                  |             |
| 110-54-3   | n-hexane  |              |                  | 1 - < 5 %   |
|            | 203-777-6   | 601-037-00-0 |                  |             |
|            | Flam. Liq. 2, Repr. 2, Skin Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 2; H225 H361f H315 H336 H373 H304 H411 |              |                  |             |
| 110-82-7   | cyclohexane   |              |                  | 1 - < 5 %   |
|            | 203-806-2   | 601-017-00-1 |                  |             |
|            | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H225 H315 H336 H304 H400 H410          |              |                  |             |

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

| CAS No     | EC No   | Chemical name                                      | Quantity    |
|------------|---|--|-------------|
|            | Specific Conc. Limits, M-factors and ATE  |  |             |
| 67-63-0    | 200-661-7   | propan-2-ol; isopropyl alcohol; isopropanol        | 30 - < 50 % |
|            | inhalation: LC50 = 30 mg/l (vapours); dermal: LD50 = 13900 mg/kg; oral: LD50 = 4570-5840 mg/kg  |  |             |
| 64742-49-0 | 927-510-4   | Hydrocarbons C7 - n-alkanes - isoalkanes - cyclics | 15 - < 30 % |
|            | inhalation: LC50 = > 23,3 mg/l (vapours); dermal: LD50 = > 2800 - 3100 mg/kg; oral: LD50 = >5840 mg/kg  |  |             |
|            | 931-254-9   | Hydrocarbons C6 - isoalkanes <5% n-hexane          | 15 - < 30 % |
|            | inhalation: LC50 = 73860 mg/l (vapours)   |  |             |
| 67-64-1    | 200-662-2   | acetone; propan-2-one; propanone                   | 15 - < 30 % |
|            | inhalation: LC50 = 76 mg/l (vapours); dermal: LD50 = 20000 mg/kg; oral: LD50 = 5800 mg/kg   |  |             |
| 110-54-3   | 203-777-6   | n-hexane   | 1 - < 5 %   |
|            | inhalation: LC50 = 73860 mg/l (vapours); dermal: LD50 = > 2000 mg/kg STOT RE 2; H373: >= 5 - 100  |  |             |
| 110-82-7   | 203-806-2   | cyclohexane  | 1 - < 5 %   |
|            | inhalation: LC50 = > 5540 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg Aquatic Acute 1; H400: M=1<br>Aquatic Chronic 1; H410: M=1 |  |             |

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#### Labelling for contents according to Regulation (EC) No 648/2004

&gt;= 30 % aliphatic hydrocarbons.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Never give anything by mouth to an unconscious person or a person with cramps.  
If unconscious but breathing normally, place in recovery position and seek medical advice.

##### After inhalation

Remove casualty to fresh air and keep warm and at rest.

##### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary. In case of skin irritation, consult a physician.

##### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

##### After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting. Get immediate medical advice/attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Powder.

#### 5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.  
Danger of serious damage to health by prolonged exposure.  
Use appropriate respiratory protection.

#### 5.3. Advice for firefighters

Use water spray jet to protect personnel and to cool endangered containers.  
Wear a self-contained breathing apparatus and chemical protective clothing.

##### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### General advice

Keep away from sources of ignition - No smoking. Ventilate affected area.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
See protective measures under point 7 and 8.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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#### 6.3. Methods and material for containment and cleaning up

##### For containment

Prevent spread over a wide area (e.g. by containment or oil barriers).

##### For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Avoid release to the environment. In use, may form flammable/explosive vapour-air mixture.

Only use the material in places where open light, fire and other flammable sources can be kept away.

Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. Provide earthing of containers, equipment, pumps and ventilation facilities. Use non-sparking tools.

Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapours/spray. When using do not eat, drink or smoke.

##### Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

##### Further information on handling

Keep only in the original container in a cool, well-ventilated place.

Never use pressure to empty container. Do not allow to enter into surface water or drains.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Hints on joint storage

Do not store together with: ,

##### Further information on storage conditions

Follow the instructions for use on the label.

\_\_\_ °C

Keep container dry.

Keep away from sources of ignition - No smoking. Protect from direct sunlight.

#### 7.3. Specific end use(s)

No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limit values

| CAS No   | Name of agent | ppm | mg/m <sup>3</sup> | fib/cm <sup>3</sup> | Category  | Origin |
|----------|---------------|-----|-------------------|---------------------|-----------|--------|
| 67-64-1  | Acetone       | 500 | 1210              |                     | TWA (8 h) |        |
| 110-82-7 | Cyclohexane   | 200 | 700               |                     | TWA (8 h) |        |
| 110-54-3 | n-Hexane      | 20  | 72                |                     | TWA (8 h) |        |

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#### DNEL/DMEL values

| CAS No                   | Name of agent                                      |          |                        |
|--------------------------|--|----------|------------------------|
| DNEL type                | Exposure route                                     | Effect   | Value                  |
| 67-63-0                  | propan-2-ol; isopropyl alcohol; isopropanol        |          |                        |
| Worker DNEL, long-term   | inhalation   | systemic | 500 mg/m <sup>3</sup>  |
| Worker DNEL, long-term   | dermal   | systemic | 888 mg/kg bw/day       |
| Consumer DNEL, long-term | inhalation   | systemic | 89 mg/m <sup>3</sup>   |
| Consumer DNEL, long-term | dermal   | systemic | 319 mg/kg bw/day       |
| Consumer DNEL, long-term | oral   | systemic | 26 mg/kg bw/day        |
| 64742-49-0               | Hydrocarbons C7 - n-alkanes - isoalkanes - cyclics |          |                        |
| Worker DNEL, long-term   | inhalation   | systemic | 2085 mg/m <sup>3</sup> |
| Worker DNEL, long-term   | dermal   | systemic | 300 mg/kg bw/day       |
| Consumer DNEL, long-term | inhalation   | systemic | 447 mg/m <sup>3</sup>  |
| Consumer DNEL, long-term | dermal   | systemic | 149 mg/kg bw/day       |
| Consumer DNEL, long-term | oral   | systemic | 149 mg/kg bw/day       |
|                          |  |          |                        |
|                          | Hydrocarbons C6 - isoalkanes <5% n-hexane          |          |                        |
| Worker DNEL, long-term   | inhalation   | systemic | 5306 mg/m <sup>3</sup> |
| Worker DNEL, long-term   | dermal   | systemic | 13964 mg/kg bw/day     |
| Consumer DNEL, long-term | inhalation   | systemic | 1131 mg/m <sup>3</sup> |
| Consumer DNEL, long-term | dermal   | systemic | 1377 mg/kg bw/day      |
| Consumer DNEL, long-term | oral   | systemic | 1301 mg/kg bw/day      |
| 110-54-3                 | n-hexane   |          |                        |
| Worker DNEL, long-term   | inhalation   | systemic | 75 mg/m <sup>3</sup>   |
| Worker DNEL, long-term   | dermal   | systemic | 11 mg/kg bw/day        |
| Consumer DNEL, long-term | inhalation   | systemic | 16 mg/m <sup>3</sup>   |
| Consumer DNEL, long-term | dermal   | systemic | 5.3 mg/kg bw/day       |
| Consumer DNEL, long-term | oral   | systemic | 4 mg/kg bw/day         |
| 110-82-7                 | cyclohexane  |          |                        |
| Worker DNEL, long-term   | inhalation   | systemic | 700 mg/m <sup>3</sup>  |
| Worker DNEL, acute       | inhalation   | systemic | 1400 mg/m <sup>3</sup> |
| Worker DNEL, long-term   | inhalation   | local    | 700 mg/m <sup>3</sup>  |
| Worker DNEL, acute       | inhalation   | local    | 1400 mg/m <sup>3</sup> |
| Worker DNEL, long-term   | dermal   | systemic | 2016 mg/kg bw/day      |
| Consumer DNEL, long-term | inhalation   | systemic | 206 mg/m <sup>3</sup>  |
| Consumer DNEL, acute     | inhalation   | systemic | 412 mg/m <sup>3</sup>  |
| Consumer DNEL, long-term | inhalation   | local    | 206 mg/m <sup>3</sup>  |
| Consumer DNEL, acute     | inhalation   | local    | 412 mg/m <sup>3</sup>  |
| Consumer DNEL, long-term | dermal   | systemic | 1186 mg/kg bw/day      |

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|                          |      |          |                      |
|--------------------------|------|----------|----------------------|
| Consumer DNEL, long-term | oral | systemic | 59,4 mg/kg<br>bw/day |
|--------------------------|------|----------|----------------------|

#### PNEC values

| CAS No   | Name of agent                               | Value        |
|--|---|--------------|
| Environmental compartment                        |   |              |
| 67-63-0  | propan-2-ol; isopropyl alcohol; isopropanol |              |
| Freshwater                                       |   | 140,9 mg/l   |
| Freshwater (intermittent releases)               |   | 140,9 mg/l   |
| Marine water                                     |   | 140,9 mg/l   |
| Freshwater sediment                              |   | 552 mg/kg    |
| Marine sediment                                  |   | 552 mg/kg    |
| Secondary poisoning                              |   | 160 mg/kg    |
| Micro-organisms in sewage treatment plants (STP) |   | 2251 mg/l    |
| Soil   |   | 28 mg/kg     |
| 110-82-7   | cyclohexane                                 |              |
| Freshwater                                       |   | 0,0447 mg/l  |
| Freshwater (intermittent releases)               |   | 0,009 mg/l   |
| Marine water                                     |   | 0,00447 mg/l |
| Freshwater sediment                              |   | 3,6 mg/kg    |
| Marine sediment                                  |   | 0,36 mg/kg   |
| Micro-organisms in sewage treatment plants (STP) |   | 3,24 mg/l    |
| Soil   |   | 0,694 mg/kg  |

#### 8.2. Exposure controls



##### Appropriate engineering controls

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

##### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Wear eye/face protection.

##### Hand protection

Suitable material: Butyl caoutchouc (butyl rubber)

Thickness of the glove material 0,7 mm

> 480 min

See information supplied by the manufacturer.

##### Skin protection

(Natural fibres (e.g. cotton)/ heat-resistant synthetic fibres)

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

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#### Environmental exposure controls

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |                        |
|---|------------------------|
| Physical state:   | Liquid                 |
| Colour:   | colourless             |
| Odour:  | characteristic         |
| Odour threshold:  | not determined         |
| Melting point/freezing point:                             | not applicable         |
| Boiling point or initial boiling point and boiling range: | 56 °C                  |
| Flammability:   | Highly flammable       |
| Lower explosion limits:                                   | 1 vol. %               |
| Upper explosion limits:                                   | 14,3 vol. %            |
| Flash point:  | < -20 °C               |
| Auto-ignition temperature:                                | > 200 °C               |
| Decomposition temperature:                                | not applicable         |
| pH-Value:   | not applicable         |
| Viscosity / kinematic:                                    | not determined         |
| Water solubility:   | not determined         |
| Solubility in other solvents                              | not determined         |
| Partition coefficient n-octanol/water:                    | not determined         |
| Vapour pressure:  | 246 hPa                |
| (at 20 °C)  |                        |
| Vapour pressure:  | 814 hPa                |
| (at 50 °C)  |                        |
| Density:  | 0.74 g/cm <sup>3</sup> |
| Relative density:   | not determined         |
| Relative vapour density:                                  | not determined         |
| Particle characteristics:                                 | not determined         |

### 9.2. Other information

#### Information with regard to physical hazard classes

Explosive properties  
Vapours can form explosive mixtures with air.

Oxidizing properties  
not determined

#### Other safety characteristics

|                      |                |
|----------------------|----------------|
| Evaporation rate:    | not determined |
| Solvent content:     | 100.00 %       |
| Solid content:       | not determined |
| Viscosity / dynamic: | not determined |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No further relevant information available.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.



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#### 10.3. Possibility of hazardous reactions

#### 10.4. Conditions to avoid

In case of warming: Thermal decomposition.

#### 10.5. Incompatible materials

No further relevant information available.

#### 10.6. Hazardous decomposition products

Carbon monoxide

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### **Toxicokinetics, metabolism and distribution**

No data available

##### **Acute toxicity**

Based on available data, the classification criteria are not met.

##### **ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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| CAS No     | Chemical name                                      |                          |         |  |  |
|------------|--|--------------------------|---------|--|--|
|            | Exposure route                                     | Dose                     | Species | Source                                   | Method                                   |
| 67-63-0    | propan-2-ol; isopropyl alcohol; isopropanol        |                          |         |  |  |
|            | oral   | LD50 4570-5840 mg/kg     | Rat     | Pre-supplier/manufacturer                | OECD 401                                 |
|            | dermal   | LD50 13900 mg/kg         | Rabbit  | Pre-supplier/manufacturer                | OECD 402                                 |
|            | inhalation (4 h) vapour                            | LC50 30 mg/l             | Rat     | Pre-supplier/manufacturer                |  |
| 64742-49-0 | Hydrocarbons C7 - n-alkanes - isoalkanes - cyclics |                          |         |  |  |
|            | oral   | LD50 >5840 mg/kg         | Rat     |  |  |
|            | dermal   | LD50 > 2800 - 3100 mg/kg | Rat     | Study report (1977)                      | The acute toxicity of SBP 100/140 was de |
|            | inhalation (4 h) vapour                            | LC50 > 23,3 mg/l         | Rat     | Study report (1988)                      | OECD Guideline 403                       |
|            | Hydrocarbons C6 - isoalkanes <5% n-hexane          |                          |         |  |  |
|            | inhalation (4 h) vapour                            | LC50 73860 mg/l          | Rat     | Industrial Medicine, Vol. 39, No. 5, May | OECD Guideline 403                       |
| 67-64-1    | acetone; propan-2-one; propanone                   |                          |         |  |  |
|            | oral   | LD50 5800 mg/kg          | Rat     | RTECS                                    |  |
|            | dermal   | LD50 20000 mg/kg         | Rabbit  | IUCLID                                   |  |
|            | inhalation (4 h) vapour                            | LC50 76 mg/l             | Rat     |  |  |
| 110-54-3   | n-hexane   |                          |         |  |  |
|            | dermal   | LD50 > 2000 mg/kg        | Rabbit  | Study report (1982)                      |  |
|            | inhalation (4 h) vapour                            | LC50 73860 mg/l          | Rat     | Industrial Medicine, Vol. 39, No. 5, May | OECD Guideline 403                       |
| 110-82-7   | cyclohexane  |                          |         |  |  |
|            | oral   | LD50 > 5000 mg/kg        | Rat     | Study report (1982)                      | OECD Guideline 401                       |
|            | dermal   | LD50 > 2000 mg/kg        | Rabbit  | Study report (1982)                      | OECD Guideline 402                       |
|            | inhalation (4 h) vapour                            | LC50 > 5540 mg/l         | Rat     | Study report (1981)                      | OECD Guideline 403                       |

#### Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

#### Sensitising effects

Based on available data, the classification criteria are not met.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

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#### STOT-single exposure

May cause drowsiness or dizziness. (propan-2-ol; isopropyl alcohol; isopropanol; Hydrocarbons C7 - n-alkanes - isoalkanes - cyclics; Hydrocarbons C6 - isoalkanes <5% n-hexane; acetone; propan-2-one; propanone)

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

May be fatal if swallowed and enters airways.

#### Specific effects in experiment on an animal

No data available

#### Additional information on tests

No data available

#### Practical experience

May cause respiratory irritation. Potential hazards:

The product is skin resorptive.

Irritating to eyes. (reversible.)

## SECTION 12: Ecological information

### 12.1. Toxicity

Toxic to aquatic life with long lasting effects.

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| CAS No     | Chemical name                                      |               |           |         |                                    |  |
|------------|--|---------------|-----------|---------|------------------------------------|--|
|            | Aquatic toxicity                                   | Dose          | [h]   [d] | Species | Source                             | Method   |
| 67-63-0    | propan-2-ol; isopropyl alcohol; isopropanol        |               |           |         |                                    |  |
|            | Acute fish toxicity                                | LC50<br>mg/l  | 10000     | 96 h    | Pimephales<br>promelas             | Publication (1983)<br>OECD Guideline<br>203  |
| 64742-49-0 | Hydrocarbons C7 - n-alkanes - isoalkanes - cyclics |               |           |         |                                    |  |
|            | Acute fish toxicity                                | LL50<br>mg/l  | > 13,4    | 96 h    | Oncorhynchus mykiss                | Study report<br>(2004)<br>OECD Guideline<br>203  |
|            | Acute algae toxicity                               | ErC50<br>mg/l | 12 mg/l   | 72 h    | Pseudokirchneriella<br>subcapitata | SIDS Initial<br>Assessment<br>Report For SIAM<br>OECD Guideline<br>201                   |
|            | Fish toxicity                                      | NOEC<br>mg/l  | 1,534     | 28 d    | Oncorhynchus mykiss                | CONCAWE,<br>Brussels,<br>Belgium (2010)<br>The aquatic<br>toxicity was<br>estimated by a |
|            | Crustacea toxicity                                 | NOEC<br>mg/l  | 1 mg/l    | 21 d    | Daphnia magna                      | SIDS Initial<br>Assessment<br>Report For SIAM<br>OECD Guideline<br>211                   |
|            | Hydrocarbons C6 - isoalkanes <5% n-hexane          |               |           |         |                                    |  |
|            | Acute fish toxicity                                | LL50<br>mg/l  | 18,27     | 96 h    | Oncorhynchus mykiss                | CONCAWE,<br>Brussels,<br>Belgium (2009)<br>The aquatic<br>toxicity was<br>estimated by a |
|            | Acute algae toxicity                               | ErC50<br>mg/l | 13,56     | 72 h    | Pseudokirchneriella<br>subcapitata | CONCAWE,<br>Brussels,<br>Belgium (2009)<br>The aquatic<br>toxicity was<br>estimated by a |
|            | Acute crustacea toxicity                           | EL50<br>mg/l  | 31,9      | 48 h    | Daphnia magna                      | CONCAWE,<br>Brussels,<br>Belgium (2009)<br>The aquatic<br>toxicity was<br>estimated by a |
|            | Fish toxicity                                      | NOEC<br>mg/l  | 4,089     | 28 d    | Oncorhynchus mykiss                | CONCAWE,<br>Brussels,<br>Belgium (2009)<br>The aquatic<br>toxicity was<br>estimated by a |
|            | Crustacea toxicity                                 | NOEC<br>mg/l  | 7,138     | 21 d    | Daphnia magna                      | CONCAWE,<br>Brussels,<br>Belgium (2009)<br>The aquatic<br>toxicity was<br>estimated by a |
| 67-64-1    | acetone; propan-2-one; propanone                   |               |           |         |                                    |  |
|            | Acute fish toxicity                                | LC50<br>mg/l  | 5540      | 96 h    | Oncorhynchus mykiss                |  |
|            | Acute crustacea toxicity                           | EC50<br>mg/l  | 6100      | 48 h    | Daphnia magna                      |  |
| 110-54-3   | n-hexane   |               |           |         |                                    |  |
|            | Acute fish toxicity                                | LL50<br>mg/l  | 12 mg/l   | 96 h    | Oncorhynchus mykiss                | REACH<br>Registration<br>Dossier<br>OECD Guideline<br>203                                |
|            | Acute algae toxicity                               | ErC50<br>mg/l | 9.285     | 72 h    | Raphidocelis<br>subcapitata        | CONCAWE,<br>Brussels,<br>Belgium (2009)<br>The aquatic<br>toxicity was<br>estimated by a |
|            | Acute crustacea toxicity                           | EL50<br>mg/l  | 21.85     | 48 h    | Daphnia magna                      | CONCAWE,<br>Brussels,<br>Belgium (2009)<br>The aquatic<br>toxicity was<br>estimated by a |

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|          |                          |       |            |      |                          |  |   |
|----------|--------------------------|-------|------------|------|--------------------------|--|---|
|          | Fish toxicity            | NOEC  | 2.8 mg/l   | 28 d | Oncorhynchus mykiss      | CONCAWE, Brussels, Belgium (2009)        | The aquatic toxicity was estimated by a |
|          | Crustacea toxicity       | NOEC  | 4.888 mg/l | 21 d | Daphnia magna            | CONCAWE, Brussels, Belgium (2009)        | The aquatic toxicity was estimated by a |
| 110-82-7 | cyclohexane              |       |            |      |                          |  |   |
|          | Acute fish toxicity      | LC50  | 4,53 mg/l  | 96 h | Pimephales promelas      | Vol. 5, Centre for Lake Superior Studies | OECD Guideline 203                      |
|          | Acute algae toxicity     | ErC50 | 9,317 mg/l | 72 h | Raphidocelis subcapitata | Study report (1998)                      | OECD Guideline 201                      |
|          | Acute crustacea toxicity | EC50  | 0,9 mg/l   | 48 h | Daphnia magna            | Publication (1987)                       | OECD Guideline 202                      |

#### 12.2. Persistence and degradability

No data available

#### 12.3. Bioaccumulative potential

No data available

#### Partition coefficient n-octanol/water

| CAS No   | Chemical name                               | Log Pow |
|----------|---|---------|
| 67-63-0  | propan-2-ol; isopropyl alcohol; isopropanol | 0,05    |
|          | Hydrocarbons C6 - isoalkanes <5% n-hexane   | 3,6     |
| 67-64-1  | acetone; propan-2-one; propanone            | -0,24   |
| 110-54-3 | n-hexane                                    | 5.8     |
| 110-82-7 | cyclohexane                                 | 3,44    |

#### BCF

| CAS No   | Chemical name                             | BCF      | Species             | Source               |
|----------|---|----------|---------------------|----------------------|
|          | Hydrocarbons C6 - isoalkanes <5% n-hexane | 501,187  | Pimephales promelas | QSAR in Environmenta |
| 110-54-3 | n-hexane                                  | >= 26.26 | Pimephales promelas | REACH Registration D |
| 110-82-7 | cyclohexane                               | 167      | Pimephales promelas | J. Fish. Board Can.  |

#### 12.4. Mobility in soil

No further relevant information available.

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No data available

#### Further information

Do not allow to enter into surface water or drains.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Do not allow to enter into surface water or drains.

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#### Contaminated packaging

Completely emptied packages can be recycled.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

**14.1. UN number or ID number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Classification code: F1  
Special Provisions: 274 601 640D  
Limited quantity: 1 L  
Excepted quantity: E2  
Transport category: 2  
Hazard No: 33  
Tunnel restriction code: D/E

#### Inland waterways transport (ADN)

**14.1. UN number or ID number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Classification code: F1  
Special Provisions: 274 601 640D  
Limited quantity: 1 L  
Excepted quantity: E2

#### Marine transport (IMDG)

**14.1. UN number or ID number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Special Provisions: 274  
Limited quantity: 1 L  
Excepted quantity: E2  
EmS: F-E, S-E

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number or ID number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.

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**14.3. Transport hazard class(es):** 3

**14.4. Packing group:** II

Hazard label: 3



Special Provisions: A3

Limited quantity Passenger: 1 L

Passenger LQ: Y341

Excepted quantity: E2

IATA-packing instructions - Passenger: 353

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 364

IATA-max. quantity - Cargo: 60 L

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



Danger releasing substance: Heptanes

#### 14.6. Special precautions for user

No information available.

#### 14.7. Maritime transport in bulk according to IMO instruments

not applicable

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 29, Entry 40, Entry 57, Entry 75

Directive 2010/75/EU on industrial emissions: 100 % (740 g/l)

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Marketing and use of explosives precursors (Regulation (EU) 2019/1148):

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.

Water hazard class (D): 2 - obviously hazardous to water

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

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#### Abbreviations and acronyms

Flam. Liq: Flammable liquid  
Asp. Tox: Aspiration hazard  
Skin Irrit: Skin irritation  
Eye Irrit: Eye irritation  
Repr: Reproductive toxicity  
STOT SE: Specific target organ toxicity - single exposure  
STOT RE: Specific target organ toxicity - repeated exposure  
Aquatic Acute: Acute aquatic hazard  
Aquatic Chronic: Chronic aquatic hazard  
CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
CAS: Chemical Abstracts Service  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
IMDG: International Maritime Code for Dangerous Goods  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
VOC: Volatile Organic Compounds  
SVHC: Substance of Very High Concern



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#### Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

| Classification          | Classification procedure |
|-------------------------|--------------------------|
| Flam. Liq. 2; H225      | On basis of test data    |
| Asp. Tox. 1; H304       | Calculation method       |
| Skin Irrit. 2; H315     | Calculation method       |
| Eye Irrit. 2; H319      | Calculation method       |
| STOT SE 3; H336         | Calculation method       |
| Aquatic Chronic 2; H411 | Calculation method       |

#### Relevant H and EUH statements (number and full text)

|        |  |
|--------|--|
| H225   | Highly flammable liquid and vapour.                                |
| H304   | May be fatal if swallowed and enters airways.                      |
| H315   | Causes skin irritation.  |
| H319   | Causes serious eye irritation.                                     |
| H336   | May cause drowsiness or dizziness.                                 |
| H361f  | Suspected of damaging fertility.                                   |
| H373   | May cause damage to organs through prolonged or repeated exposure. |
| H400   | Very toxic to aquatic life.  |
| H410   | Very toxic to aquatic life with long lasting effects.              |
| H411   | Toxic to aquatic life with long lasting effects.                   |
| EUH066 | Repeated exposure may cause skin dryness or cracking.              |

#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*